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ENTERED

## RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/735,713A

TIME: 14:08:55

Input Set : A:\LEX-0108-USA SEQLIST.txt

Output Set: N:\CRF3\04242002\I735713A.raw

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4 <110> APPLICANT: Walke, D. Wade
5     Turner, C. Alexander Jr.
6     Abuin, Alejandro
7     Friedrich, Glenn
8     Zambrowicz, Brian
9     Sands, Arthur T.
11 <120> TITLE OF INVENTION: Novel Human Proteases and
12     Polynucleotides Encoding the Same
14 <130> FILE REFERENCE: LEX-0108-USA
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/735,713A
C--> 16 <141> CURRENT FILING DATE: 2000-12-12
16 <150> PRIOR APPLICATION NUMBER: US 60/171,566
17 <151> PRIOR FILING DATE: 1999-12-22
19 <160> NUMBER OF SEQ ID NOS: 7
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24 <211> LENGTH: 921
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
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30 ttggaacrag gtaaactctgc arctctttcg ctcccaaaag ctcccagttg tgggcagagt      120
31 ctgggttaagg tacagccttg gaattatttt aacattttca gtcgcattct tggaggaagc      180
32 caagtggaga agggttccta tccctggcag gtatctctga aacaaaggca gaagcatatt      240
33 tgtggaggaa gcatcgtctc accacagtgg gtgatcacgg cggctcactg cattgcaaac      300
34 agaaacattg tgtctacttt gaatgttact gctggagagt atgacttaag ccagacagac      360
35 ccaggagagc aaactctcac tattgaaact gtcatcatac atccacattt ctccaccaag      420
36 aaaccaatgg actatgatat tgcccttttg aagatggctg gagccttcca atttggccac      480
37 tttgtggggc ccatatgtct tccagagctg cgggagcaat ttgaggctgg ttttatttgt      540
38 acaactgcag gctggggccg cttaactgaa ggtggcgctc tctcacaagt cttgcaggaa      600
39 gtgaatctgc ctattttgac ctgggaagag tgtgtggcag ctctgttaac actaaagagg      660
40 cccatcagtg ggaagacctt tctttgcaca ggttttctct atggagggag agacgcatgt      720
41 cagggagatt caggaggttc actcatgtgc cggaataaga aaggggcctg gactctggct      780
42 ggtgtgactt cctgggggtt gggctgtggt cgaggctgga gaaacaatgt gaggaaaagt      840
43 gatcaaggat cccctgggat cttcacagac attagtaaag tgctttcctg gatccacgaa      900
44 cacatccaaa ctggtacta a                                     921
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 306
48 <212> TYPE: PRT
49 <213> ORGANISM: Homo sapiens
51 <400> SEQUENCE: 2
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53 1          5          10          15

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54 Gly Ile Val Phe Phe Glu Arg Gly Lys Ser Ala Ala Leu Ser Leu Pro
55          20          25          30
56 Lys Ala Pro Ser Cys Gly Gln Ser Leu Val Lys Val Gln Pro Trp Asn
57          35          40          45
58 Tyr Phe Asn Ile Phe Ser Arg Ile Leu Gly Gly Ser Gln Val Glu Lys
59          50          55          60
60 Gly Ser Tyr Pro Trp Gln Val Ser Leu Lys Gln Arg Gln Lys His Ile
61 65          70          75          80
62 Cys Gly Gly Ser Ile Val Ser Pro Gln Trp Val Ile Thr Ala Ala His
63          85          90          95
64 Cys Ile Ala Asn Arg Asn Ile Val Ser Thr Leu Asn Val Thr Ala Gly
65          100          105          110
66 Glu Tyr Asp Leu Ser Gln Thr Asp Pro Gly Glu Gln Thr Leu Thr Ile
67          115          120          125
68 Glu Thr Val Ile Ile His Pro His Phe Ser Thr Lys Lys Pro Met Asp
69          130          135          140
70 Tyr Asp Ile Ala Leu Leu Lys Met Ala Gly Ala Phe Gln Phe Gly His
71 145          150          155          160
72 Phe Val Gly Pro Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe Glu Ala
73          165          170          175
74 Gly Phe Ile Cys Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu Gly Gly
75          180          185          190
76 Val Leu Ser Gln Val Leu Gln Glu Val Asn Leu Pro Ile Leu Thr Trp
77          195          200          205
78 Glu Glu Cys Val Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile Ser Gly
79          210          215          220
80 Lys Thr Phe Leu Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp Ala Cys
81 225          230          235          240
82 Gln Gly Asp Ser Gly Gly Ser Leu Met Cys Arg Asn Lys Lys Gly Ala
83          245          250          255
84 Trp Thr Leu Ala Gly Val Thr Ser Trp Gly Leu Gly Cys Gly Arg Gly
85          260          265          270
86 Trp Arg Asn Asn Val Arg Lys Ser Asp Gln Gly Ser Pro Gly Ile Phe
87          275          280          285
88 Thr Asp Ile Ser Lys Val Leu Ser Trp Ile His Glu His Ile Gln Thr
89          290          295          300
90 Gly Asn
91 305
93 <210> SEQ ID NO: 3
94 <211> LENGTH: 909
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 3
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100 aaatctgcar ctctttcgct ccccaaagct cccagttgtg ggcagagtct ggttaaggta      120
101 cagccttgga attatttttaa ctttttcagt cgcattcttg gaggaagcca agtggagaag      180
102 ggttcctatc cctggcaggt atctctgaaa caaaggcaga agcatatttg tggaggaagc      240
103 atcgtctcac cacagtgggt gatcacggcg gctcactgca ttgcaaacag aaacattgtg      300
104 tctactttga atgttactgc tggagagtat gacttaagcc agacagaccc aggagagcaa      360

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105 actctcaacta ttgaaactgt catcatacat ccacatttct ccaccaagaa accaatggac      420
106 tatgatattg cctttttgaa gatggctgga gccttccaat ttggccactt tgtggggccc      480
107 atatgtcttc cagagctgcg ggagcaattt gaggctggtt ttatttgtag aactgcaggc      540
108 tggggccgct taactgaagg tggcgctcctc tcacaagtct tgcaggaagt gaatctgcct      600
109 attttgacct gggaagagtg tgtggcagct ctgttaacac taaagaggcc catcagtggg      660
110 aagacctttc tttgcacagg ttttcctgat ggaggagag acgcatgtca gggagattca      720
111 ggaggttcac tcatgtgccg gaataagaaa ggggcctgga ctctggctgg tgtgacttcc      780
112 tgggggtttgg gctgtggtcg aggctggaga aacaatgtga ggaaaagtga tcaaggatcc      840
113 cctgggatct tcacagacat tagtaaagtg ctttcctgga tccacgaaca catccaaact      900
114 ggtaactaa                                     909
116 <210> SEQ ID NO: 4
117 <211> LENGTH: 302
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapiens
121 <400> SEQUENCE: 4
122 Met Leu Ile Ser Arg Asn Lys Leu Ile Leu Leu Leu Gly Ile Val Phe
123   1           5           10           15
124 Phe Glu Arg Gly Lys Ser Ala Ala Leu Ser Leu Pro Lys Ala Pro Ser
125           20           25           30
126 Cys Gly Gln Ser Leu Val Lys Val Gln Pro Trp Asn Tyr Phe Asn Ile
127           35           40           45
128 Phe Ser Arg Ile Leu Gly Gly Ser Gln Val Glu Lys Gly Ser Tyr Pro
129           50           55           60
130 Trp Gln Val Ser Leu Lys Gln Arg Gln Lys His Ile Cys Gly Gly Ser
131 65           70           75           80
132 Ile Val Ser Pro Gln Trp Val Ile Thr Ala Ala His Cys Ile Ala Asn
133           85           90           95
134 Arg Asn Ile Val Ser Thr Leu Asn Val Thr Ala Gly Glu Tyr Asp Leu
135           100          105          110
136 Ser Gln Thr Asp Pro Gly Glu Gln Thr Leu Thr Ile Glu Thr Val Ile
137           115          120          125
138 Ile His Pro His Phe Ser Thr Lys Lys Pro Met Asp Tyr Asp Ile Ala
139           130          135          140
140 Leu Leu Lys Met Ala Gly Ala Phe Gln Phe Gly His Phe Val Gly Pro
141 145          150          155          160
142 Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe Glu Ala Gly Phe Ile Cys
143           165          170          175
144 Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu Gly Gly Val Leu Ser Gln
145           180          185          190
146 Val Leu Gln Glu Val Asn Leu Pro Ile Leu Thr Trp Glu Glu Cys Val
147           195          200          205
148 Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile Ser Gly Lys Thr Phe Leu
149           210          215          220
150 Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp Ala Cys Gln Gly Asp Ser
151 225          230          235          240
152 Gly Gly Ser Leu Met Cys Arg Asn Lys Lys Gly Ala Trp Thr Leu Ala
153           245          250          255
154 Gly Val Thr Ser Trp Gly Leu Gly Cys Gly Arg Gly Trp Arg Asn Asn
155           260          265          270

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156 Val Arg Lys Ser Asp Gln Gly Ser Pro Gly Ile Phe Thr Asp Ile Ser
157          275          280          285
158 Lys Val Leu Ser Trp Ile His Glu His Ile Gln Thr Gly Asn
159          290          295          300
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162 <211> LENGTH: 495
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 5
167 atggactatg atattgccct tttgaagatg gctggagcct tccaatttgg ccactttgtg      60
168 gggcccatat gtcttcacaga gctgcgggag caatttgagg ctggttttat ttgtacaact      120
169 gcaggctggg gccgcctaac tgaagggtggc gtcctctcac aagtcttgca ggaagtgaat      180
170 ctgcctatgt tgacctggga agagtgtgtg gcagctctgt taacactaaa gaggcccatc      240
171 agtgggaaga cttttctttg cacagggtttt cctgatggag ggagagacgc atgtcaggga      300
172 gattcaggag gttcactcat gtgccggaat aagaaagggg cctggactct ggctggtgtg      360
173 acttcctggg gtttgggctg tggtcgaggc tggagaaaca atgtgaggaa aagtgatcaa      420
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175 caaactggta actaa                                     495
177 <210> SEQ ID NO: 6
178 <211> LENGTH: 164
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 6
183 Met Asp Tyr Asp Ile Ala Leu Leu Lys Met Ala Gly Ala Phe Gln Phe
184 1          5          10          15
185 Gly His Phe Val Gly Pro Ile Cys Leu Pro Glu Leu Arg Glu Gln Phe
186          20          25          30
187 Glu Ala Gly Phe Ile Cys Thr Thr Ala Gly Trp Gly Arg Leu Thr Glu
188          35          40          45
189 Gly Gly Val Leu Ser Gln Val Leu Gln Glu Val Asn Leu Pro Ile Leu
190          50          55          60
191 Thr Trp Glu Glu Cys Val Ala Ala Leu Leu Thr Leu Lys Arg Pro Ile
192 65          70          75          80
193 Ser Gly Lys Thr Phe Leu Cys Thr Gly Phe Pro Asp Gly Gly Arg Asp
194          85          90          95
195 Ala Cys Gln Gly Asp Ser Gly Gly Ser Leu Met Cys Arg Asn Lys Lys
196          100          105          110
197 Gly Ala Trp Thr Leu Ala Gly Val Thr Ser Trp Gly Leu Gly Cys Gly
198          115          120          125
199 Arg Gly Trp Arg Asn Asn Val Arg Lys Ser Asp Gln Gly Ser Pro Gly
200          130          135          140
201 Ile Phe Thr Asp Ile Ser Lys Val Leu Ser Trp Ile His Glu His Ile
202 145          150          155          160
203 Gln Thr Gly Asn
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207 <211> LENGTH: 1568
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 7

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212	catacaccat	agtctcagac	tcagtttcat	gggtgaaatg	gagaagatat	tacctcaatc	60
213	ctagaagcta	tctaatacatt	tagtttgtct	cgtttttttc	tctggttcaa	agtttttttc	120
214	ttccatttca	ggtgtcgtga	aaagcctgaa	ttcggcgcg	cagatatcac	acgtgccaag	180
215	ggactggctc	aaaggcttcc	tatttttgtt	tgcttttagtc	tctctaaaat	ttcagggaaa	240
216	aactatgagt	ctcaaaaatgc	ttataagcag	gaacaagctg	attttactac	taggaatagt	300
217	cttttttgaa	craggtaaaat	ctgcarctct	ttcgtctccc	aaagctccca	gttggtggga	360
218	gagtctgggt	aaggtacagc	cttggaatta	ttttaacatt	ttcagtcgca	ttcttgagg	420
219	aagccaagtg	gagaagggtt	cctatccctg	gcaggtatct	ctgaaaacaaa	ggcagaagca	480
220	tatttgtgga	ggaagcatcg	tctcaccaca	gtgggtgatc	acggcggctc	actgcattgc	540
221	aaacagaaac	attgtgtcta	ctttgaatgt	tactgctgga	gagtatgact	taagccagac	600
222	agaccagga	gagcaaaactc	tcactattga	aactgtcatc	atacatccac	atttctccac	660
223	caagaaacca	atggactatg	atattgccct	tttgaagatg	gctggagcct	tccaatttgg	720
224	ccactttgtg	gggcccatat	gtcttccaga	gctgcgggag	caatttgagg	ctggttttat	780
225	ttgtacaact	gcaggctggg	gccgcttaac	tgaagggtggc	gtcctctcac	aagtcttgca	840
226	ggaagtgaat	ctgcctatct	tgacctggga	agagtgtgtg	gcagctctgt	taacactaaa	900
227	gaggcccatc	agtgggaaga	cctttctttg	cacaggtttt	cctgatggag	ggagagacgc	960
228	atgtcaggga	gattcaggag	gttcaactcat	gtgccggaat	aagaaaaggg	cctggactct	1020
229	ggctggtgtg	acttcctggg	gtttgggctg	tggtcgaggc	tggagaaaaca	atgtgaggaa	1080
230	aagtgatcaa	ggatcccctg	ggatcttcac	agacattagt	aaagtgcctt	cctggatcca	1140
231	cgaacacatc	caaactggta	actaagccat	cacacaaggt	taagaagctg	ccattctgct	1200
232	agggccagag	acagcatcag	cagagtcctg	gcaaatcaga	gcacctgaac	caacagtctc	1260
233	tacctctgtt	ctcagtgtag	cacacaagga	ttgtgaggtt	taccaagtct	aaataaaaaca	1320
234	agagtaaaat	atggtaaaaa	aaaaaaaaaa	aaaaaaaaatgt	ggagcagcat	gcagatatct	1380
235	aatgaaaaat	gaatccatcc	atcctagacc	ttctcaaact	ggcctttaat	tgaaactatc	1440
236	tcaattgatg	atatgctttc	accacttact	tctctggatt	cagagtccag	agtgtctacc	1500
237	attacaccga	tggcaccact	tacttctcaa	aaaaatccag	caaactataa	ccagatcagt	1560
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VERIFICATION SUMMARY

DATE: 04/24/2002

PATENT APPLICATION: US/09/735,713A

TIME: 14:08:56

Input Set : A:\LEX-0108-USA SEQLIST.txt

Output Set: N:\CRF3\04242002\I735713A.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application No

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date